

BASIC DECKS

"BLUEPRINTS FOR SUCCESS"

Developed in cooperation with



425.452.6864



425.837.3100



425.828.1144

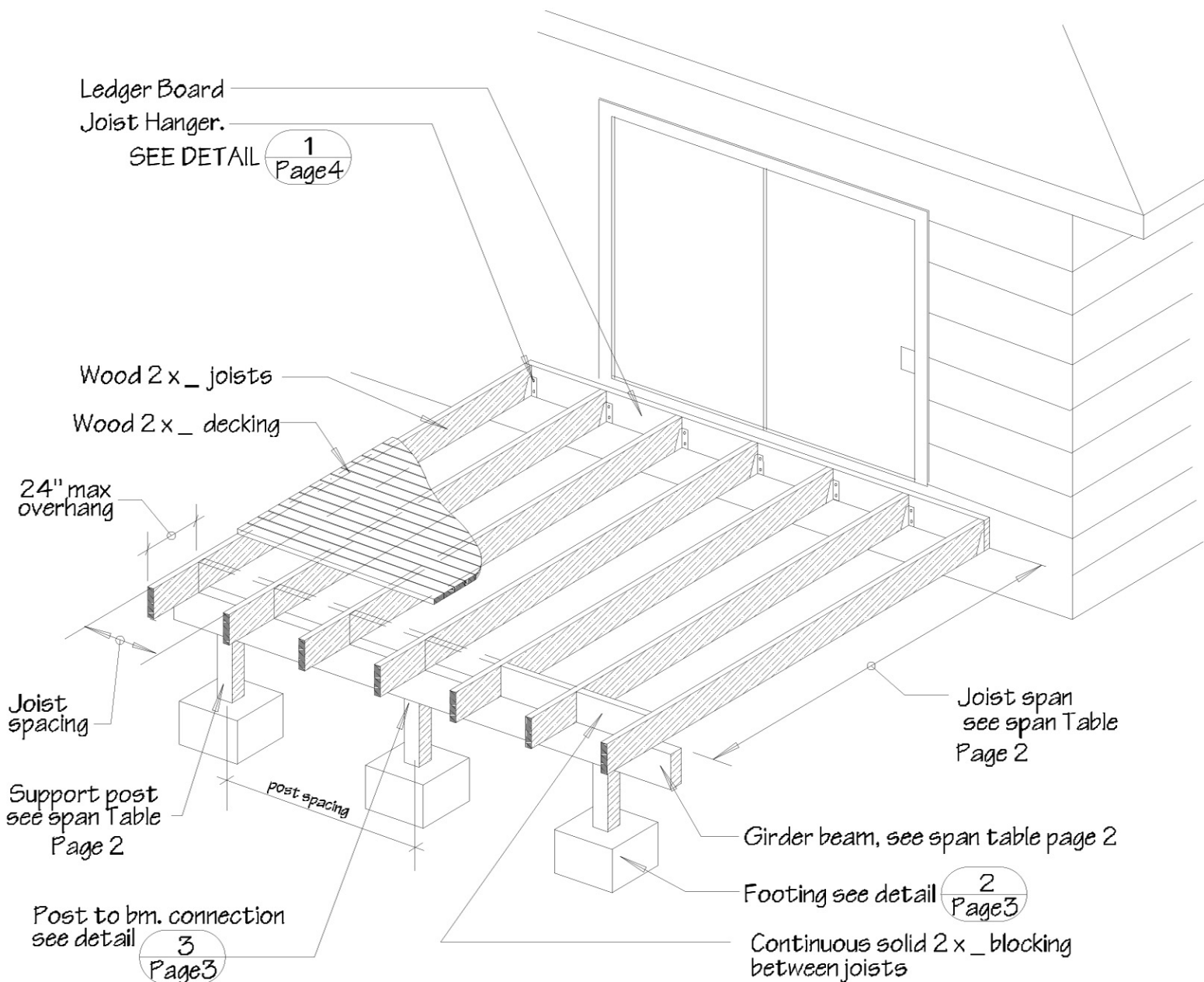


425.556.2473

TIP SHEET

#005

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DECK CONSTRUCTION NOTES:

1. The following illustrations & information may be used for decks whether or not they require a permit. (see tip sheet #000)
2. All wood must be pressure treated or naturally decay resistant.
3. See Tip Sheet #003 for guardrail requirements

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TYPICAL DECK

GENERAL INFORMATION:

1. CONSULT WITH YOUR LOCAL PLANNING DEPARTMENT REGARDING REQUIRED SETBACKS.
2. OBTAIN A BUILDING PERMIT BEFORE COMMENCING CONSTRUCTION.
3. THE INTENT OF THIS SHEET IS TO ADDRESS THE BASICS OF PRIVATE RESIDENTIAL DECKS AND DOES NOT ADDRESS THE SUBJECT IN GREAT DETAIL. ADDITIONAL INFORMATION CAN BE FOUND AT YOUR LOCAL BUILDING DEPARTMENT, HOME IMPROVEMENT STORE, OR LIBRARY.

(revised) February 4, 2000

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SPAN TABLE FOOTING SCHEDULE FOR OUTSIDE DECKS

Spans based on use of No.2 Hem-Fir or better

50# / SF loading (10# Dead Load + 40# Live Load)

Beam spans and footings assume max. 24" overhang

Joist size	Spacing ℄ to ℄	Span ft' - in"	Girder Beam spans between posts and footing type.					
			4x6	FOOTING	4x8	FOOTING	4x10	FOOTING
2X6	12"	10' - 0"	6' max.	A	8' max.	B	10' max.	C
	16"	9' - 1"	6' max.	A	8' max.	B	10' max.	C
	24"	7' - 11"	7' max.	A	9' max.	B	11' max.	C
2X8	12"	13' - 2"	5' max.	B	6' max.	B	8' max.	C
	16"	12' - 0"	5' max.	B	7' max.	B	9' max.	C
	24"	10' - 2"	6' max.	B	8' max.	B	10' max.	C
2X10	12"	16' - 10"	4' max.	B	5' max.	B	7' max.	C
	16"	15' - 2"	5' max.	B	6' max.	B	8' max.	C
	24"	12' - 5"	5' max.	B	7' max.	B	9' max.	C

FOOTING TYPES

TYPE	SIZE	NOTE:
A	12" X 12" X 12"	Pier blks. may be substituted for Type A footings
B	16" X 16" X 12"	
C	18" X 18" X 12"	

DECK CONSTRUCTION CONNECTIONS

All fasteners, nails, bolts, screws, etc. must be corrosion resistant

Follow manufacturer's instructions for timber connectors.

Connections	Nailing
1 Joist on deck beam; toenail each end	(3) 8d
2 Bridging or blocking to joist; toenail ea. side, ea. end	(2) 8d
3 2x decking to joist or deck beam; blind and face nail	(2) 16d

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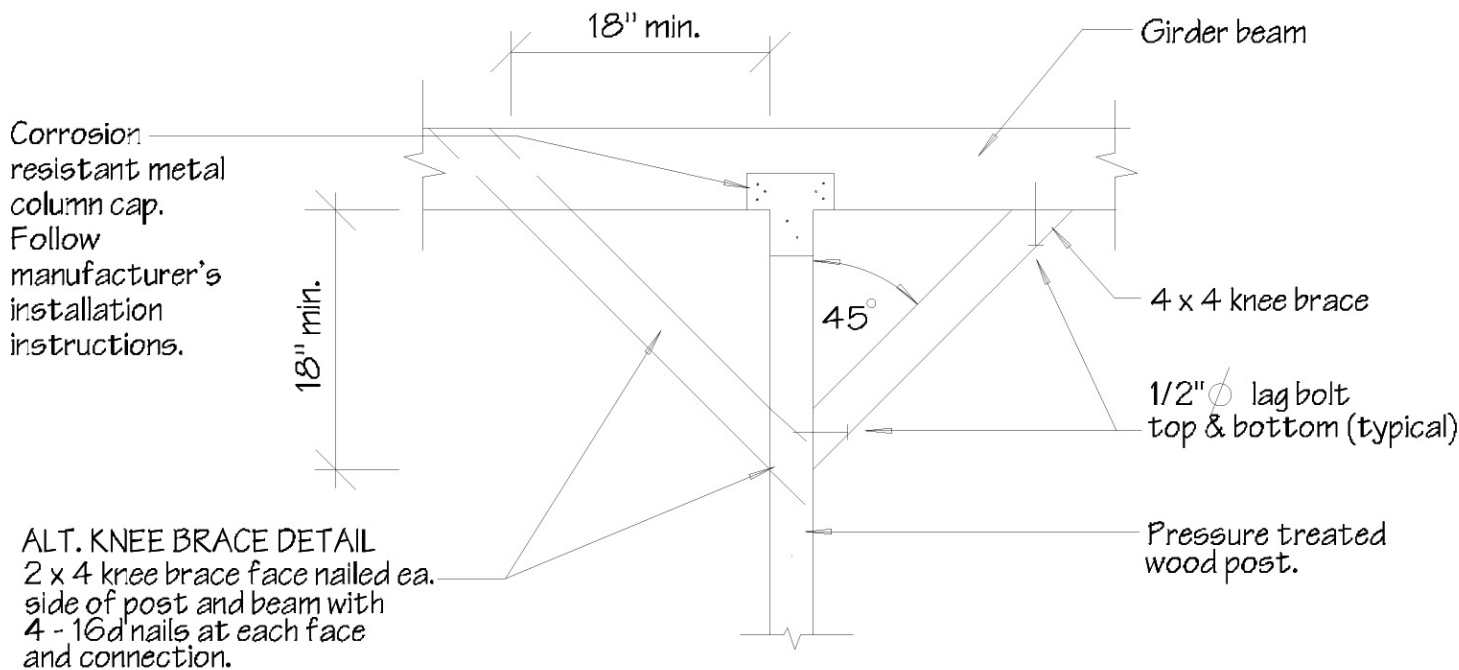
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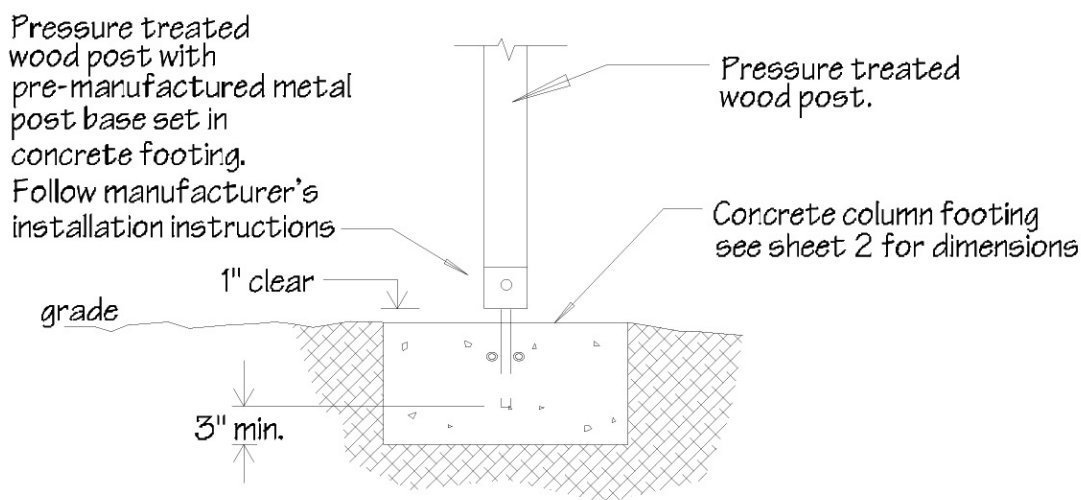
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3 KNEE BRACE DETAIL
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NOTE:

Knee braces are req'd if distance from grade to top of post exceeds 4' - 0"



2 FOOTING DETAIL
Page 3

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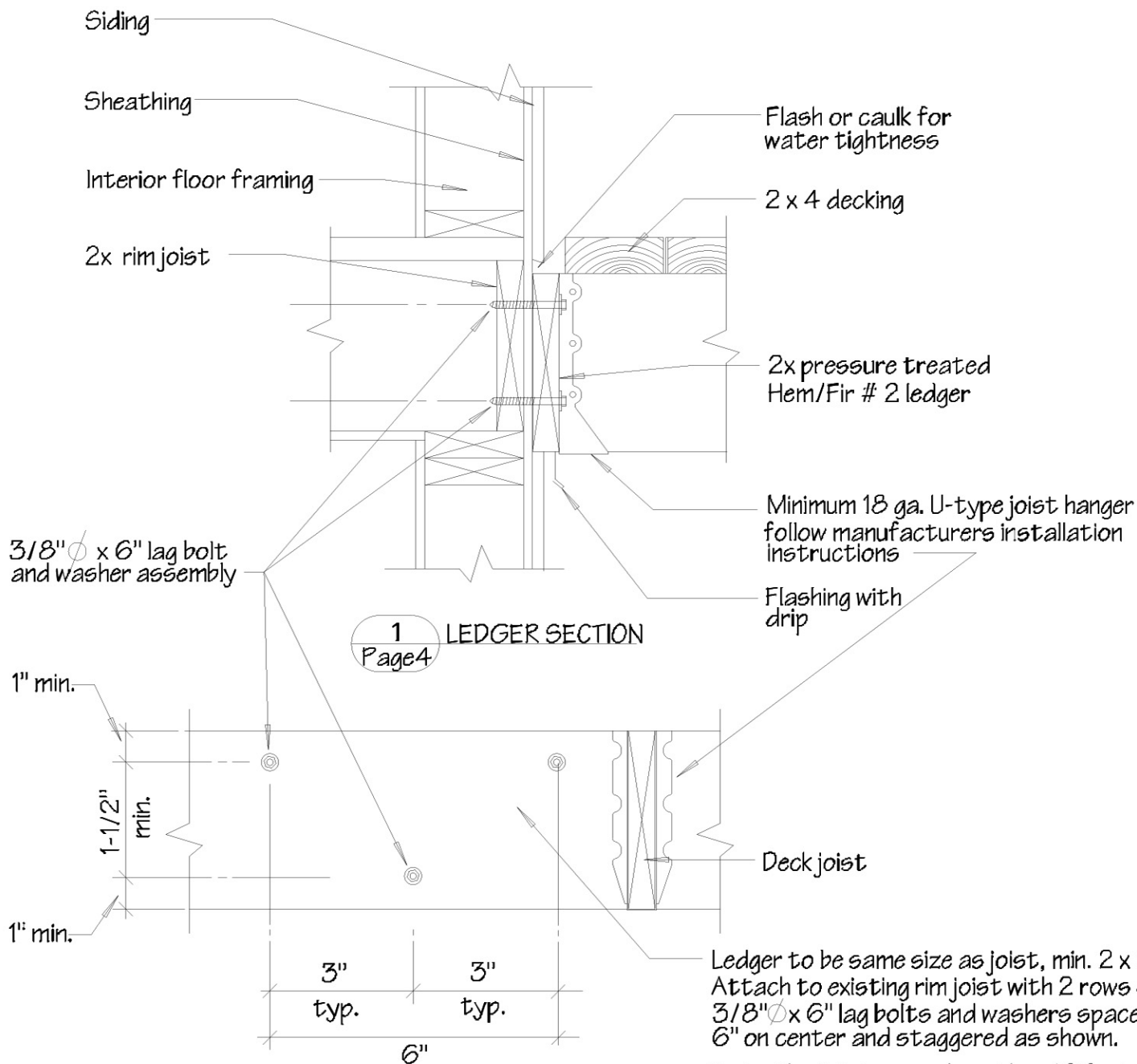
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Ledger to be same size as joist, min. 2 x 6
Attach to existing rim joist with 2 rows of 3/8" ϕ x 6" lag bolts and washers spaced at 6" on center and staggered as shown.

Note: For joist spans less than 10 feet, ledger can be attached to rim joist with a single row 3/8" ϕ x 6" lag bolts and washers spaced at 6" on center.

2 LEDGER ELEVATION

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